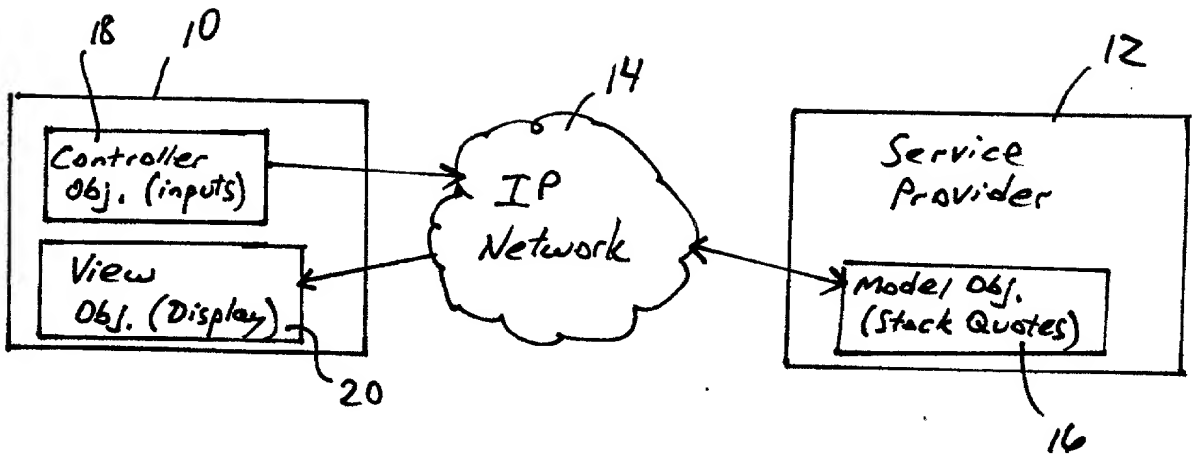


Figure 1A

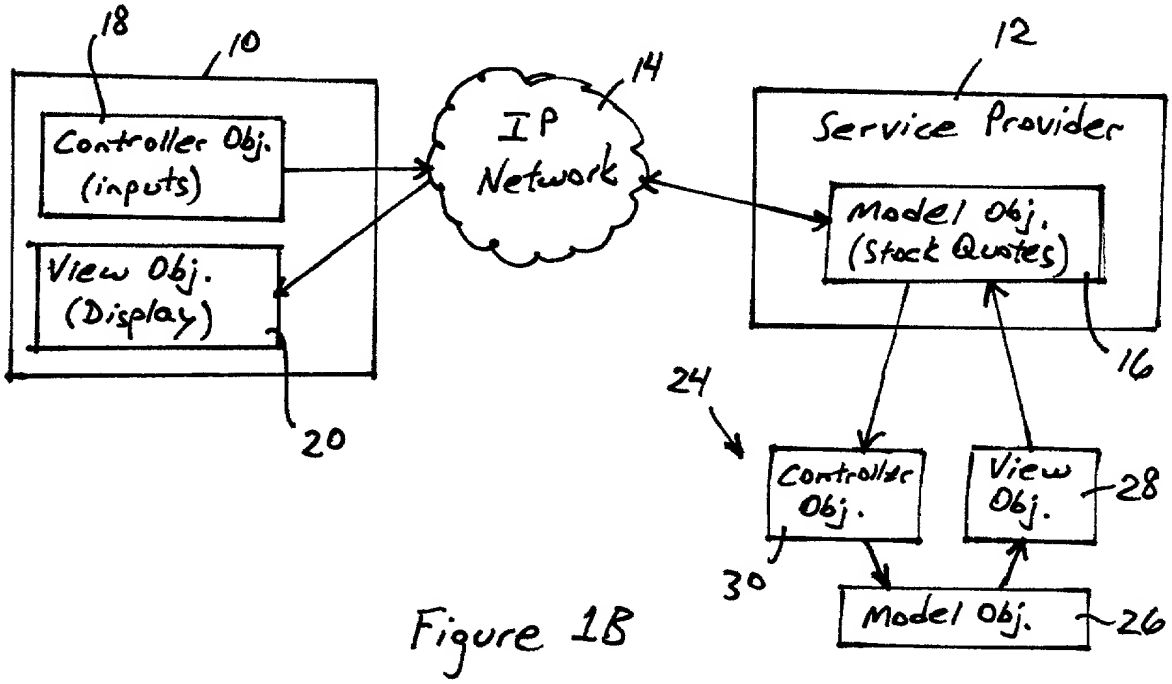


Figure 1B

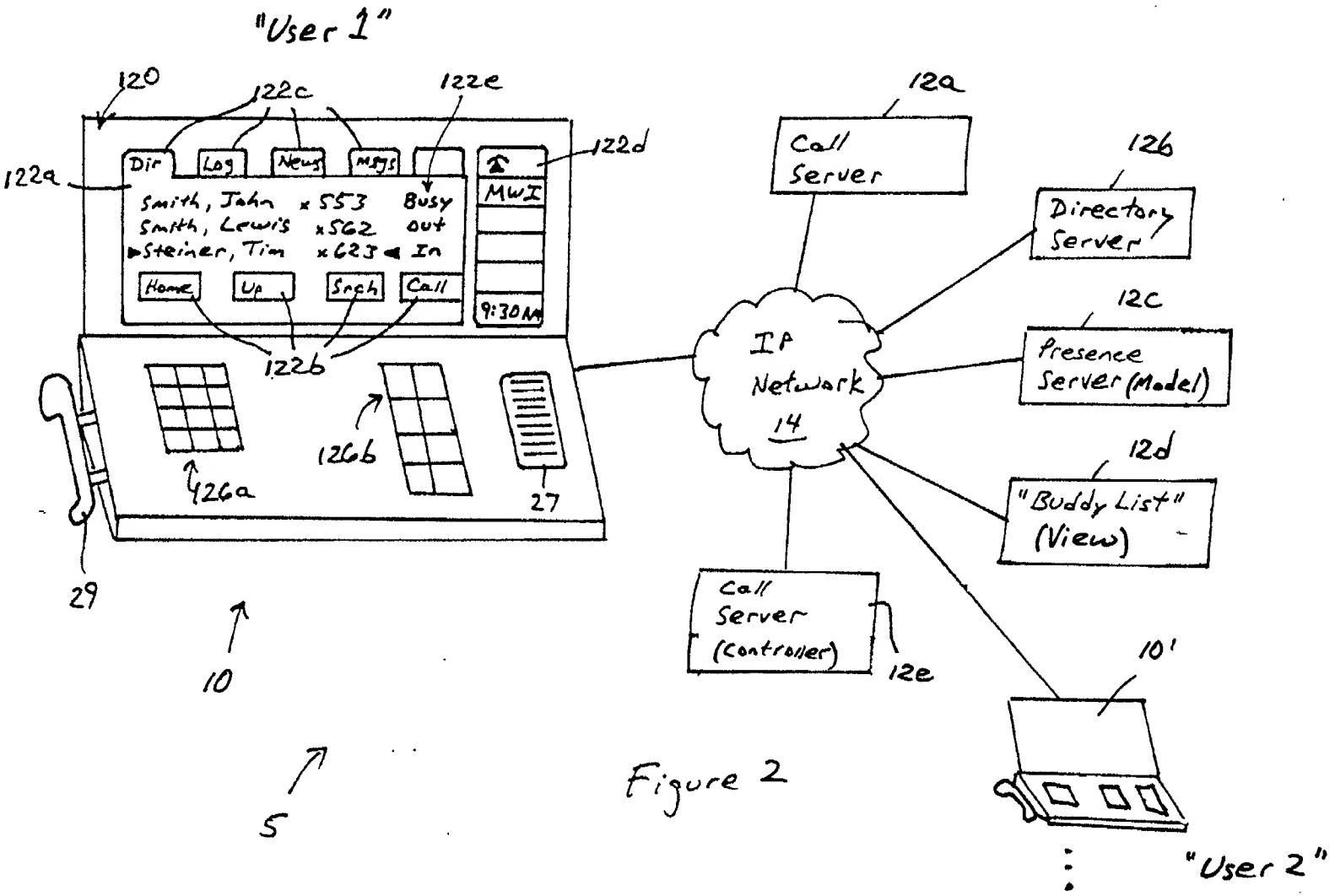

"User 1"
120
122c
122e
122a
122d
Dir
Log
News
Msgs
MWI
Smith, John x553 Busy
Smith, Lewis x562 out
▶Steiner, Tim x623 ◀ In
Home
Up
Srch
Call
9:30AM
122b
126a
126b
27
29
10
5
12a
Call Server
126
Directory Server
12c
IP Network 14
Presence Server (Model)
12d
"Buddy List" (View)
Call Server (Controller)
12e
10'
"User 2"

Figure 2

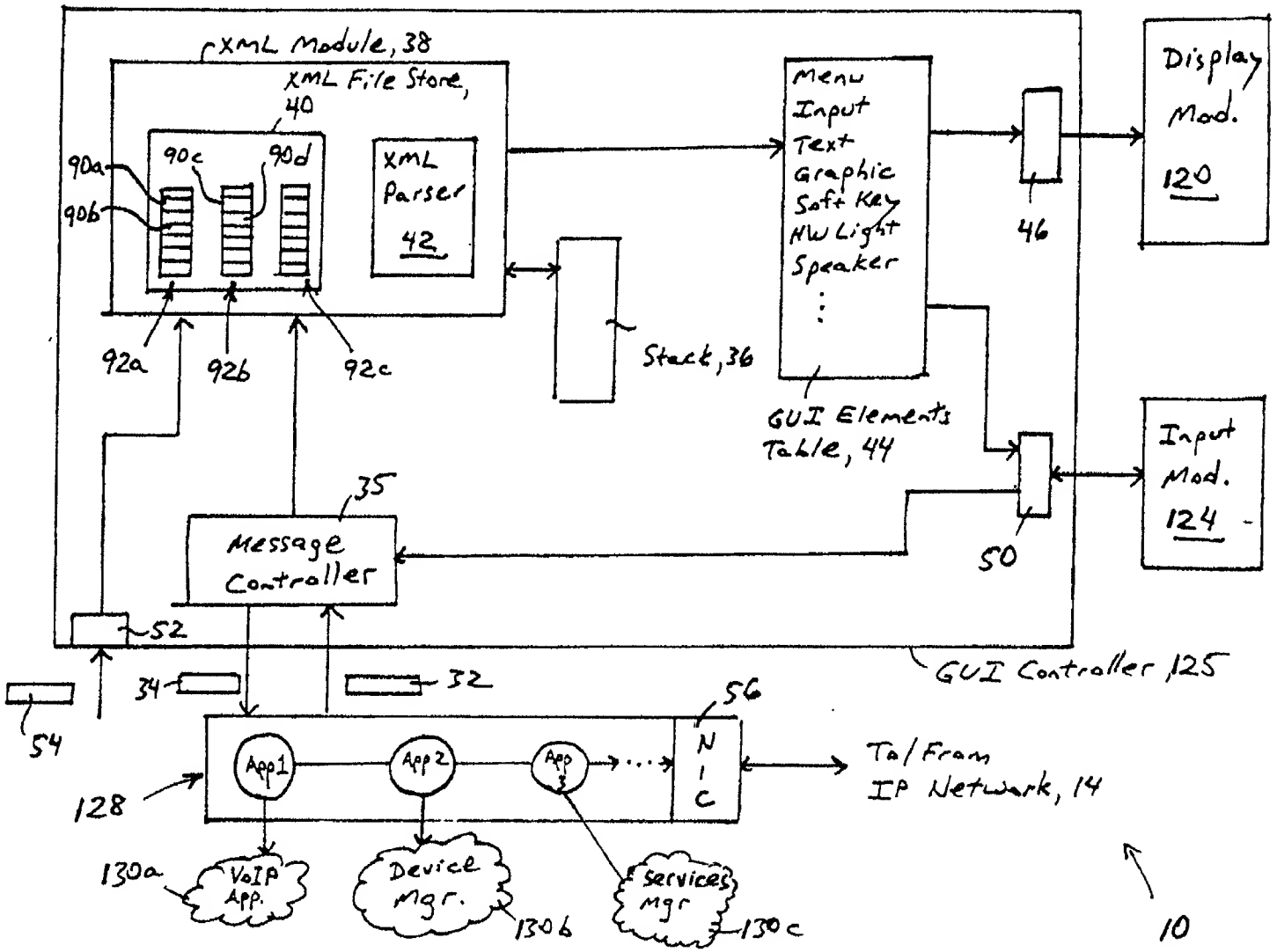

XML Module, 38
XML File Store, 40
90a
90b
90c
90d
XML Parser 42
92a
92b
92c
Stack, 36
Menu
Input
Text
Graphic
Soft Key
HW Light
Speaker
GUI Elements Table, 44
46
Display Mod. 120
Input Mod. 124
50
35
Message Controller
52
GUI Controller 125
54
34
32
56
App1
App 2
App 3
N I C
To/From IP Network, 14
128
130a
VoIP App.
Device Mgr.
130b
Services Mgr
130c
10

Figure 3

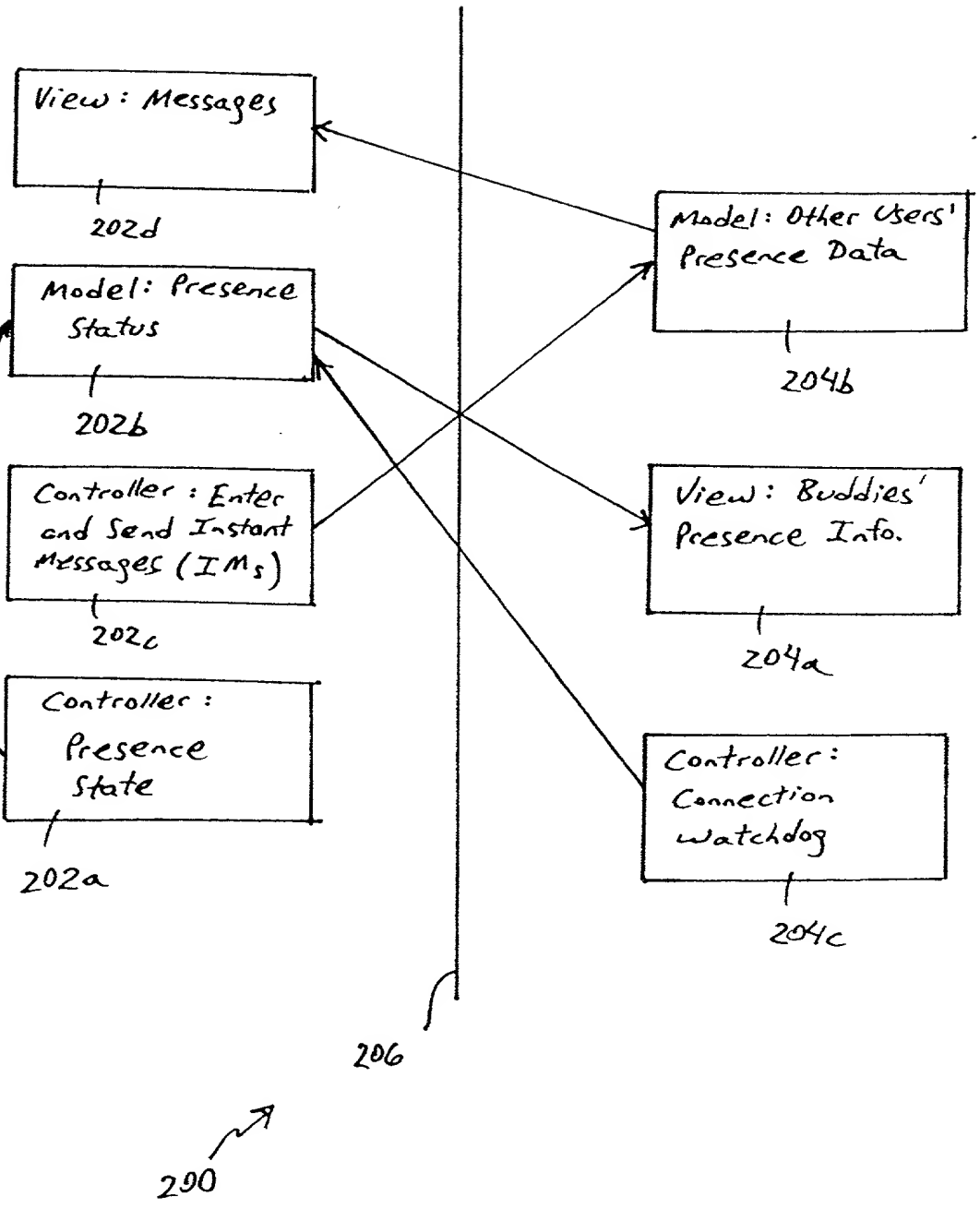

View: Messages
202d
Model: Presence Status
202b
Controller: Enter and Send Instant Messages (IMs)
202c
Controller: Presence State
202a
Model: Other Users' Presence Data
204b
View: Buddies' Presence Info.
204a
Controller: Connection Watchdog
204c
206
200

Figure 4

Figure 5A

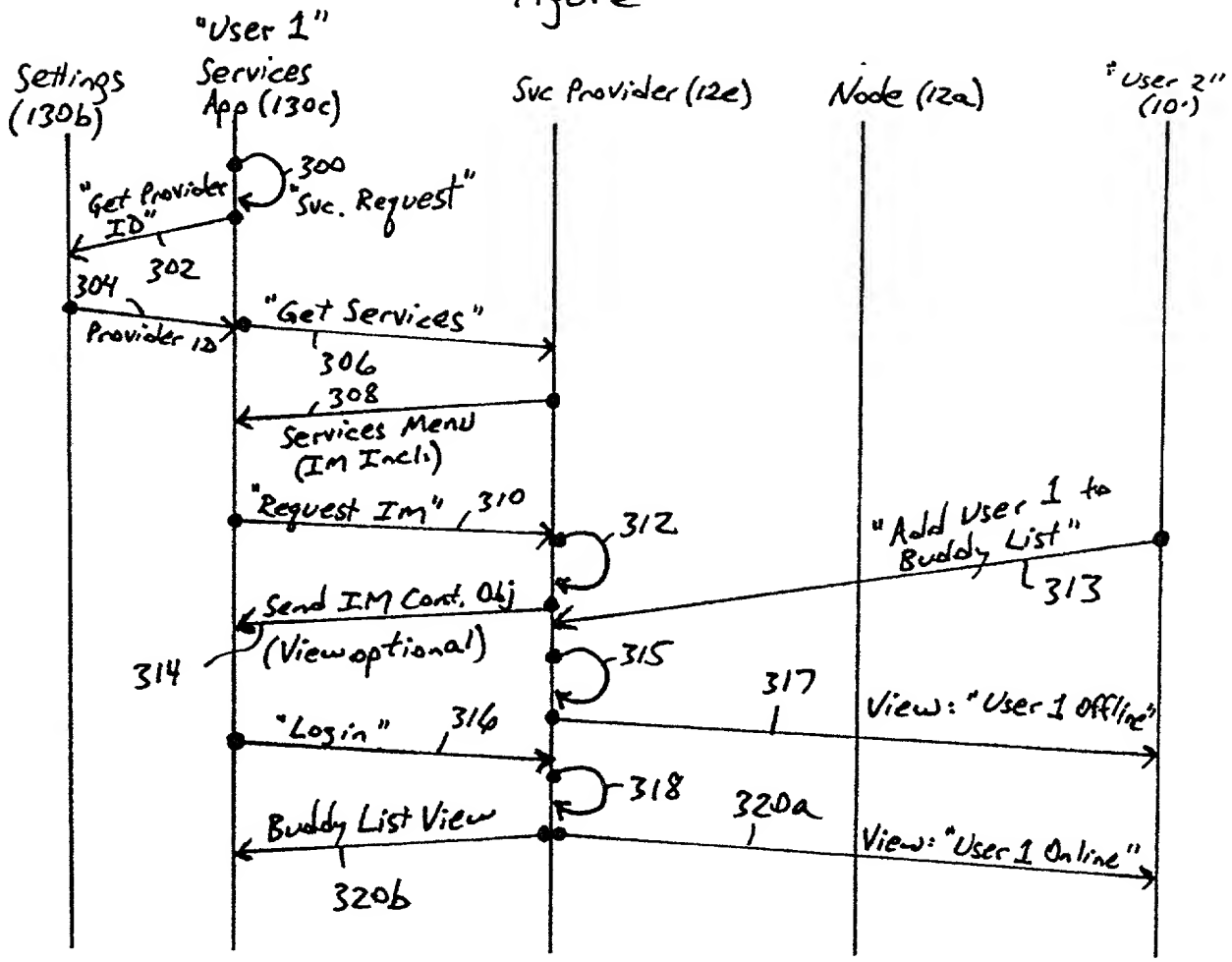
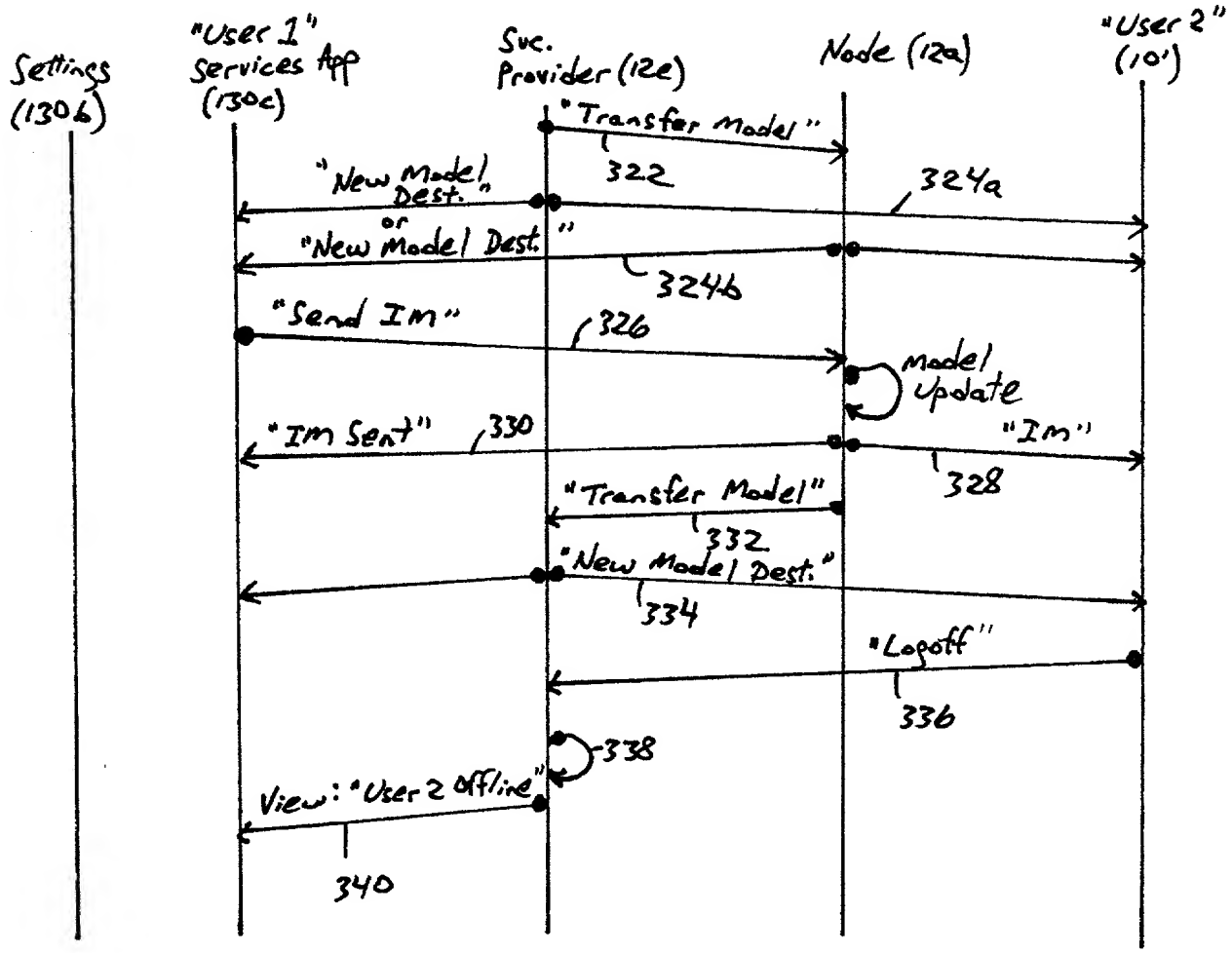

Settings (130b)
"User 1" Services App (130c)
Svc Provider (12e)
Node (12a)
"User 2" (10.)
300
"Svc. Request"
"Get Provider ID"
302
304
Provider ID
"Get Services"
306
308
Services Menu (IM Incl.)
"Request IM"
310
312
"Add User 1 to Buddy List"
313
Send IM Cont. Obj (View optional)
314
315
317
View: "User 1 Offline"
"Login"
316
318
320a
Buddy List View
320b
View: "User 1 Online"

Figure 5B


Settings (130b)
"User 1" Services App (130c)
Svc. Provider (12e)
Node (12a)
"User 2" (10')
"Transfer Model"
322
"New Model Dest."
or
"New Model Dest."
324a
324b
"Send IM"
326
Model Update
"IM Sent"
330
"IM"
328
"Transfer Model"
332
"New Model Dest."
334
"Logoff"
336
338
View: "User 2 offline"
340